

### REMARKS

This responds to the Notice of Allowance mailed on November 12, 2004. Claims 31-38, and 41-44 are amended, claims 47-61 are added, and no claims are canceled; as a result, claims 31-61 are now pending in this application.

#### About the Amendments

Claims 31-46 were allowed. Applicant thanks the Examiner for the allowing the claims, however, Applicant has amended claims 31-38, and 41-44.

Claim 31: the occurrence of "a processor to have a number of microarchitectural states during execution of the number of processor instructions, the processor comprising:" was changed to "a processor including,".

Claim 31: the occurrence of "modify one of a number of microarchitectural states" was changed to "modify one of a number of states of the processor." Support for this amendment can be found, among other places, in the Instant Application at Page 13, Lines 28 and 29.

Claims 31, 35, and 41: the occurrences of "an h-flow pipeline" were changed to "a second pipeline." Support for these amendments can be found, among other places, in the Instant Application at Page 11, Lines 15-17.

Claims 31, 32, 35, 36, 41, and 42: the occurrences of "h-flow code" were changed to "code." Support for these amendments can be found, among other places, in the Instant Application at Page 11, Lines 15-17.

Claims 35 and 41: the occurrence of "the number of microarchitectural states" was changed to "a number of processor states." Support for these amendments can be found, among other places, in the Instant Application at Page 13, Lines 28 and 29.

Claim 43: the occurrence of "futher" was changed to "further."

Claims 33, 34, 37, 38, 43, and 44: the occurrences of "microarchitectural states" were changed to "processor states." Support for these amendments can be found, among other places, in the Instant Application at Page 13, Lines 28 and 29.

The Notice of Allowance indicates that the "cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, a system comprising: a h-flow

pipeline to execute h-flow code related to the associated target if the trigger is satisfied during execution of the number of processor instructions, wherein the h-flow pipeline is to modify one of the number of microarchitectural states based on execution of the h-flow code, as recited in the independent claims 31, 35, and 41.”

Applicant respectfully submits that the cited references, taken alone or in combination, still fail to teach or suggest each and every element of amended independent claims 31, 35, and 41. Amended claims 32-34, 36-38, and 42-44 each depend, directly or indirectly, on one of amended independent claims 31, 35, or 41. As such, 32-34, 36-38, and 42-44 are allowable for at least the reasons discussed above vis-à-vis claims 31, 35, and 41.

#### Newly Added Claims

Applicant has added independent claim 47. Independent claim 47 includes features similar to those of claim 31, which was indicated as being allowable prior to the recent amendment. For at least the reasons noted above in the discussion of claim 31, Applicant respectfully submits that independent claim 47 is in condition for allowance.

Applicant has added dependent claims 48-50 which depend, directly or indirectly, on newly added independent claim 47. Support for claim 48 can be found among other places, in the Instant Application at Page 15, Lines 12-15. Claims 49 and 50 include features similar to those of cancelled claims 13 and 14. For at least the reasons noted above, Applicant respectfully submits that dependent claims 48-50 are in condition for allowance.

Applicant has added dependent claims 51-61, which depend directly or indirectly on claim 35, which was previously indicated as being allowable prior to the most recent amendments. Applicant respectfully submits that dependent claims 51-61 are in condition for allowance.

Conclusion

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney, Andrew DeLizio at (281) 213-8980, or Applicant's below-named representative to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

HONG WANG ET AL.

By their Representatives,

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Date Feb. 14, 2005

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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop RCE, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 14th day of February 2005.

Chris Hammond

Name

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Signature